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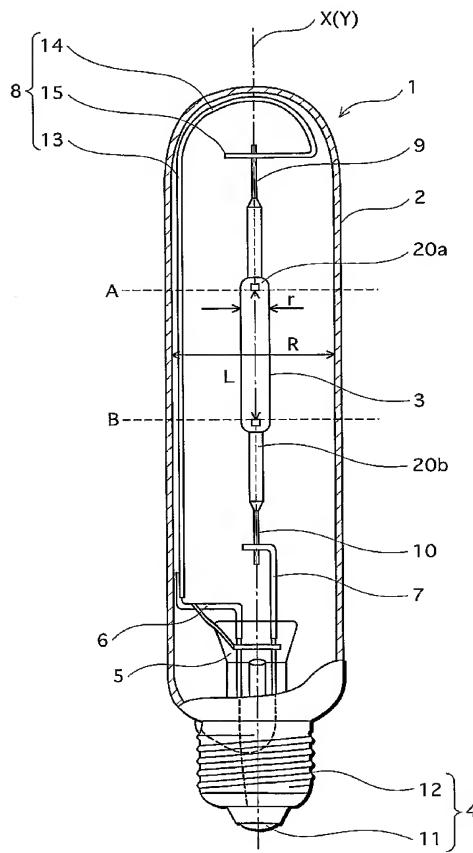
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(54) Title: METAL HALIDE LAMP AND LUMINAIRE USING THE SAME



(57) Abstract: The present invention aims at providing a metal halide lamp that (i) prevents a decline in the lumen maintenance and a deterioration of quality in appearance due to the coloring of a casing tube surrounding the arc tube, and at the same time (ii) achieves high luminous efficiency. A metal halide lamp 1 has a pair of electrodes 20a&b placed in an arc tube 3 made of translucent ceramic, and a sodium halide is enclosed therein. The metal halide lamp 1 satisfies $L/D \leq 4$, where L (mm) is the length of the space between the electrodes 20a&b and D (mm) is the internal diameter of the arc tube 3. The metal halide lamp 1 has a casing tube 2 surrounding the arc tube 3, at least around a portion between the electrodes 20a&b. Here, $R/r \leq 3.0$ is satisfied, where R is the internal diameter of the casing tube 2 and r is the external diameter of the arc tube 3, within a region positionally corresponding to, in a radial direction of the arc tube, the space between the electrodes 20a&b, on a cross-sectional surface where an outer circumference of the arc tube 3 comes closest to the internal circumference of the casing tube 2.



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